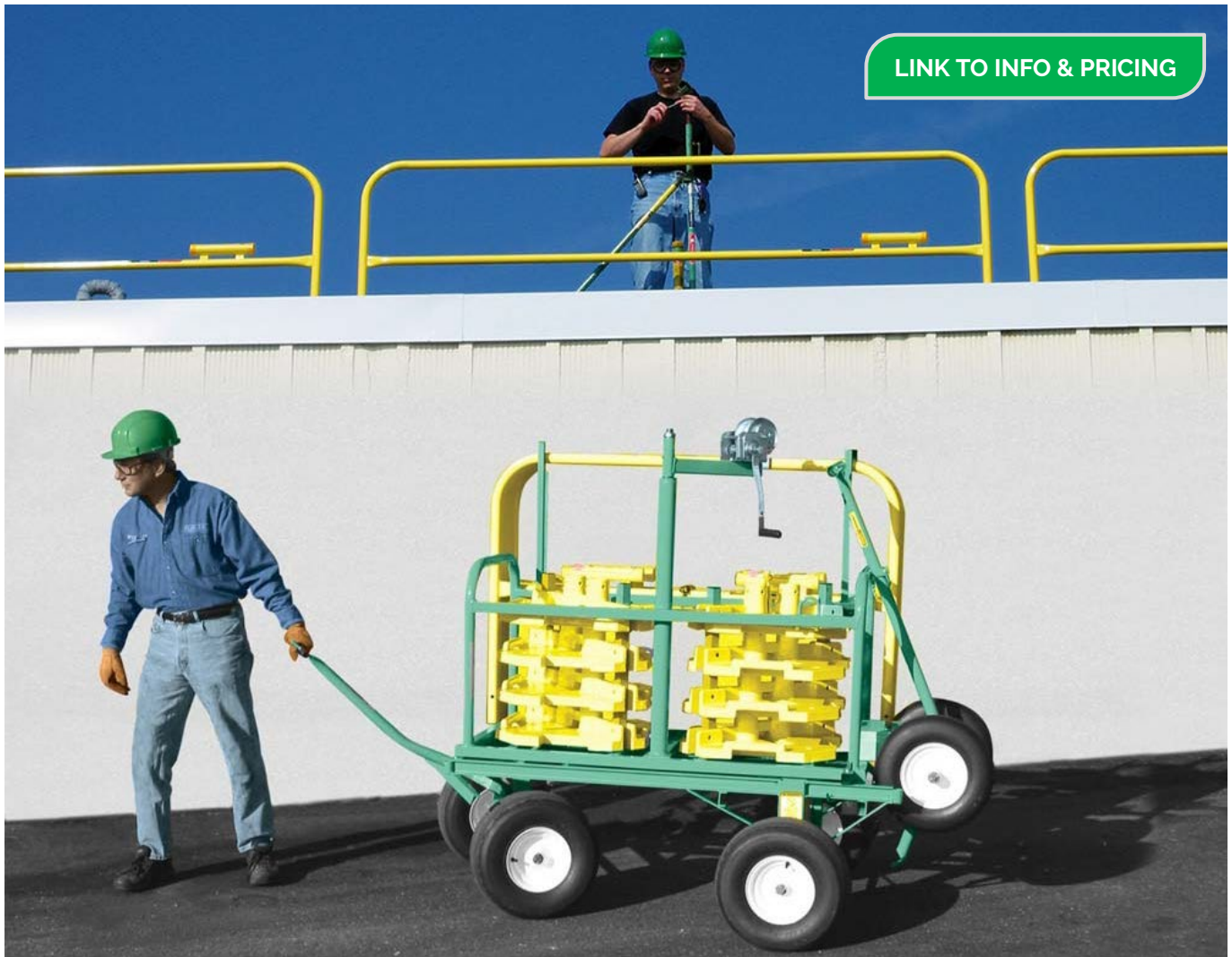




Steel Non-penetrating Guardrails

PRODUCT LITERATURE



Our Steel Non-penetrating Guardrail System enables fall protection without penetrating the floor and roof surface. When properly applied the counterweight system provides an OSHA compliant fall prevention system for the roof edge, skylight, hatch, loading dock, mezzanine, elevated platform, and construction site safety. It is designed to be a Motion Stopping Safety System thereby acting as a barrier between the worker and a fall hazard. This system complies with all Federal OSHA, CAL-OSHA, & WA-OSHA standards.

Features & Benefits

- **EASE TO INSTALL**
You do not need to penetrate floors to install the Non-penetrating Steel Guardrail System. Thus, providing you considerable savings in time and installation costs.
- **MOBILITY**
Now you can have fall protection when and where you want it. The Non-penetrating Steel Guardrail System is portable and can be dismantled/assembled as the need arises. For even greater convenience we can also provide the handy transporter.
- **FLEXIBILITY**
The Non-penetrating Steel Guardrail Systems are versatile and can easily be configured to your specific needs. The base can accommodate up to four rails and toe plates if needed.
- **OVERHEAD PROTECTION**
In elevated situations where there is a danger of kicking something onto someone below, OSHA requires the use of 2 x 4 sized toe board between the bases. The bases of the Non-penetrating Steel Guardrails can be retrofitted with our custom toe-boards.
- **SLIP RESISTANT**
The base plates can be equipped with non-slip pads. The optional pads keep the base from slipping on smooth surfaces like concrete or metal. Pads also help cushion base on sensitive materials like rubber roofing.
- **CORROSION RESISTANT**
This system comes standard with a powder coated paint finish, to provide resistant against weather elements. As an option, galvanized finish is also available.
- **CUSTOM ORDERS**
We can provide custom engineering and fabrication for your special needs if our standard the Non-penetrating Steel Guardrail does not meet your needs.
- **OSHA, CAL-OSHA, & WA-OSHA Compliance**
Meets and exceeds all OSHA regulations for fall protection. Tested and independently certified to be in accordance with OSHA fall protection for guardrail regulations.

Components & Correct Usage

Below are videos that can help you install the guardrail system. Please refer to the [Manufacturer's Installation Manual](#) in the 'Downloads' tab on our [website](#) to find full and complete information about the Steel Non-penetrating Guardrail system.

	Cal-OSHA Regulations	WA-OSHA Regulations	Federal OSHA Regulations
Maximum Post Spacing	8ft.	8ft.	10ft.
Wind-Load Return Required	No	No	No
End Return Rails (Finishing Kits)	5ft. Returns required	5ft. Returns required	5ft. Returns required
Roof Parapet Required	No	No	No
Maximum Roof Pitch or Slope	1.5/12 or 7.13°	1.5/12 or 7.13°	1.5/12 or 7.13°
EPDM Base Required	Required (Included with Base)	Required (Included with Base)	Required (Included with Base)
Compliance Codes	Cal-OSHA Title 9, 1620 and 3209	WA-OSHA WAC 296-24-75011	OSHA 1910.29 and 1926.502

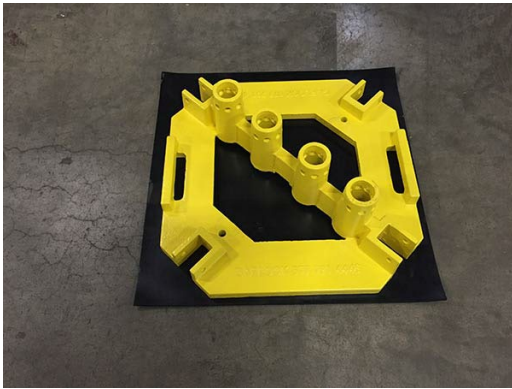
- **OSHA COMPLIANCE:** This guardrail system has a maximum spacing between uprights/stanchions of 10 feet on center (120 inches or 3.04 meters). OSHA 1910.29 and 1926.502.
- **CAL-OSHA & WA-OSHA COMPLIANCE:** This guardrail system is installed in California (CA) and Washington (WA), and has a maximum spacing between uprights/stanchions of 8 feet on center (96 inches or 2.44 meters). Cal-OSHA Title 9, 1620 and 3209. WA-OSHA [WAC 296-24-75011](#).
- System should only be used on flat surfaces not to exceed 1/2":12" pitch.
- Smooth surfaces such as metal or concrete must utilize rubber pads on the bottom of the base plate.
- Remove all loose gravel and/or materials in vicinity of railing system. Bases must be placed on sound substrate.
- Railings must be pinned into the base plate at all times.
- Top Rail Height = 42" tall; Mid-Rail Height = 20" tall
- Standard rail section 16 ga. welded steel.
- Narrow 3-1/4" space between rails. Allows 90° or 45° turns.
- Toeboards should be used when imminent danger of kicking something onto someone below the railing system. Should be used for applications with no parapet.
- Finishing Kits (as shown above) are required at each Finishing End of your system to provide the needed counterbalance. One single run would require (1) finishing kit. If you plan to install separate multiple systems, each system set up would require (1) finishing kit.
- Toeboards are not included with the system and can be purchased separately in the 'Accessories' tab of the [product page](#).

Selections Explained

To help you make the right choices, we have compiled below an explanation for how you can select parts and configure your system. You can calculate options and pricing at this [link](#).

STEP 1 – CHOOSE TYPE OF BASE PLATE

!! Concrete Base Plates have a much quicker lead time than the Steel Base Plates !!

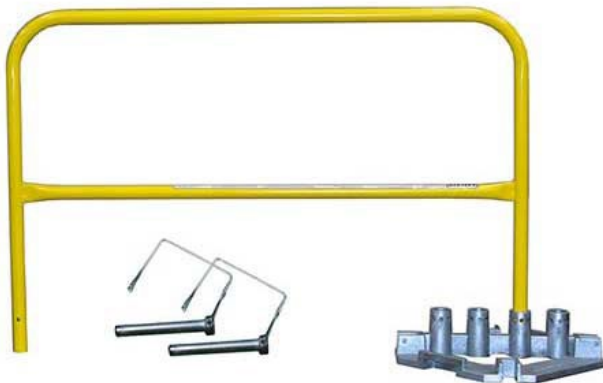


Steel Counterweight Base Plate
(4-Post) with Rubber Pad

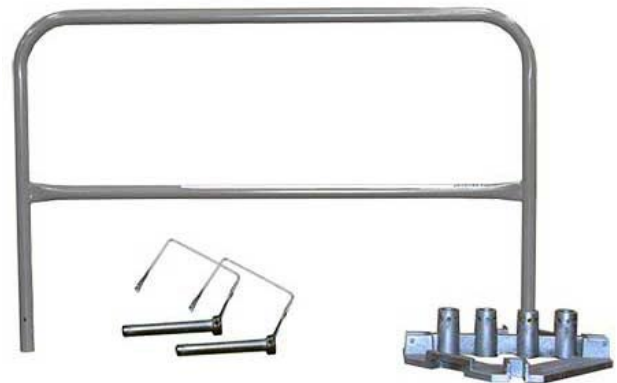


Concrete Counterweight Base Plate
(2-Post) with Rubber Pad

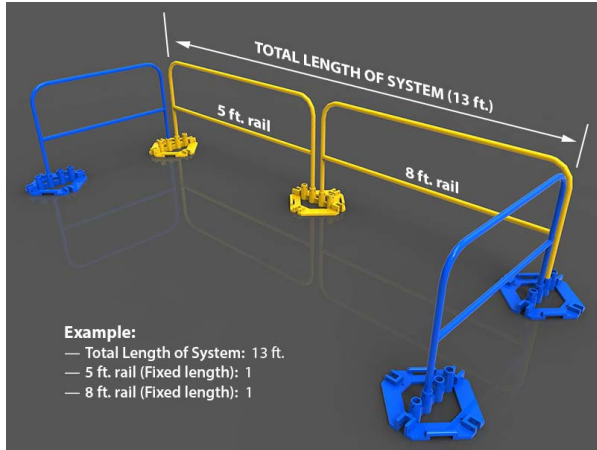
STEP 2 – CHOOSE A FINISH



Powder Coated Safety Yellow
*Each rail is equipped with
(1) double mount and (2) locking pins*



Galvanized
*Each rail is equipped with
(1) double mount and (2) locking pins*



(click to enlarge)

STEP 3 – CHOOSE NUMBER OF RAILS

- Each rail you choose is equipped with (1) counterweight base plate and (2) locking pins.
- Calculate the Total Length of System (in ft.)
- Decide how many rails and length of rails you require to cover the total span of your system from start to end (refer to pic on the left)

TIP: Use 10ft. sections for as much as possible, or 8ft. sections for California or Washington states.

- Into the boxes provided, enter the total number of rails required as per rail lengths decided.
- Adjustable rail lengths can be purchased individually [here](#).



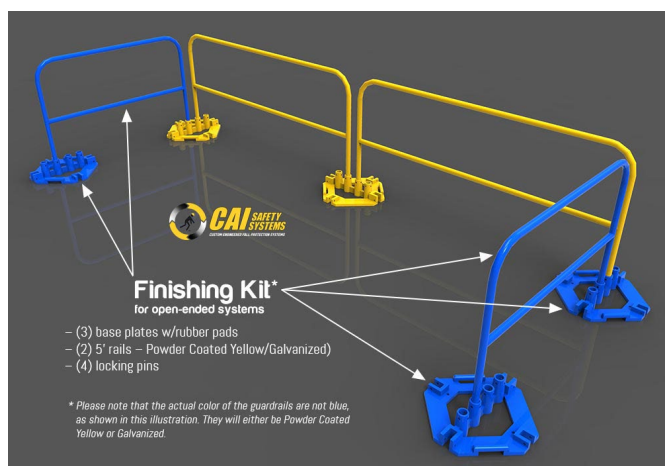
OSHA, CAL/OSHA, WA-OSHA COMPLIANCE



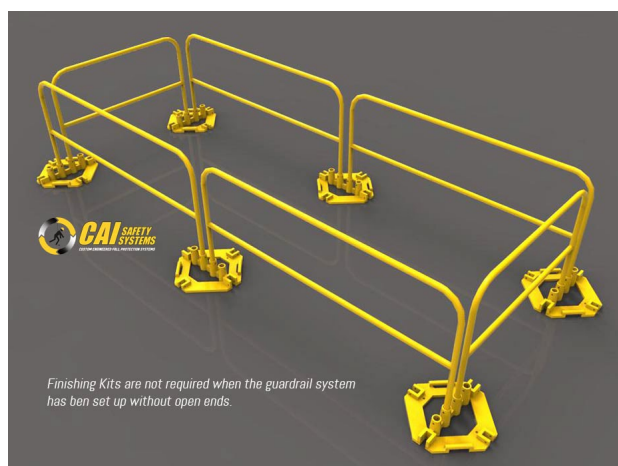
STEP 4 – CHOOSE FINISHING KIT(S)

If the guardrail system is going to have an open end, **you must install** an outrigger at each open end to be OSHA, Cal-OSHA, and WA-OSHA compliant. The finishing kit shown below will provide you with the outriggers to close these open ends.

For a single run system with two open ends, you will need (1) finishing kit.
This covers both the ends of the single run. →



(click to enlarge)



(click to enlarge)

- A finishing kit adds stability to the guardrail system at each end. This kit is required for every system that has open ends. Enter the value in the field based on the number of kits required.
- One finishing kit covers two ends of the guardrail system. The kit comprises of:
 - (3) Galvanized base plates w/rubber pads
 - (2) 5' rails (finish PCY/GAL based on choice)
 - (4) locking pins

- Finishing Kits are not required when the guardrail system has been set up without open ends.

BUY INDIVIDUALLY



!! CAUTION !! This is a fall protection system. The system must be used in strict conformance with the manufacturer's instructions. Failure to do so may result in serious injury or death.

Need a Quote?

By providing some basic information we can provide you with a custom proposal. Pictures and sketches are very helpful and if you prefer to speak with a fall protection expert just call or send us an e-mail. Fill out our [Request a Quote](#) form to send us your information.



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Some of our Clientele

